



Description

The eight relays are connected via a separate dedicated connector (not shown below) which will connect directly to one of our standard 8 channel relay cards.

The following connectors are used to connect the U3 DAQ card to your Brake Tester target PCB/hardware:

Connector J3:

Type 10 way male, box header

- | | | |
|-------------|---|--|
| Pin 1: FIO4 | = Logic level signal (0/5VDC) | = Opto 1 - Left Weight Detect (Channel 1) |
| Pin 2: FIO5 | = Logic level signal (0/5VDC) | = Opto 2 - Right Weight Detect (Channel 2) |
| Pin 3: FIO6 | = Logic level signal (0/5VDC) | = Opto 3 - Left Tacho (Channel 1) |
| Pin 4: FIO7 | = Logic level signal (0/5VDC) | = Opto 4 - Left Tacho (Channel 2) |
| Pin 5: Vss | = (+5V DC output/monitor = PC USB 5V supply). | |
| Pin 6: GND | = (PC USB 0V). | |
| Pin 7: | = Not used | |
| Pin 8: | = Not used | |
| Pin 9: Vss | = (+5V DC output/monitor = PC USB 5V supply). | |
| Pin 10: GND | = (PC USB 0V). | |



Connector J4:

Type 10 way male, box header

Pin 1: FIO0 = Analogue input voltage channel. Analogue voltage level signal (0 to 10V).

Pin 2: FIO1 = Analogue input voltage channel. Analogue voltage level signal (0 to 10V).

Pin 3: FIO2 = Analogue input voltage channel. Analogue voltage level signal (0 to 10V).

Pin 4: FIO3 = Analogue input voltage channel. Analogue voltage level signal (0 to 10V).

Pin 5: Vss = (+5V DC output/monitor = PC USB 5V supply).

Pin 6: GND = (PC USB 0V).

Pin 7: = Not used

Pin 8: = Not used

Pin 9: Vss = (+5V DC output/monitor = PC USB 5V supply).

Pin 10: GND = (PC USB 0V).